



SEQUENCE LISTING

<110> Masuda, Esteban
Charlene
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Pardo, Jorge
Rigel Pharmaceuticals, Incorporated

<120> TRAC1: Modulators of Lymphocyte Activation

<130> 021044-000600US

<140> US 09/998,667

<141> 2001-12-03

<150> US 60/282,432

<151> 2001-04-06

<160> 18

<170> PatentIn Ver. 2.1

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 Glu Arg Gln Ile Glu Ser Thr Glu Thr Ser Cys His Gly Cys Arg Lys
 85 90 95
 Asn Phe Phe Leu Ser Lys Ile Arg Ser His Val Ala Thr Cys Ser Lys
 100 105 110
 Tyr Gln Asn Tyr Ile Met Glu Gly Val Lys Ala Thr Ile Lys Asp Ala
 115 120 125
 Ser Leu Gln Pro Arg Asn Val Pro Asn Arg Tyr Thr Phe Pro Cys Pro
 130 135 140
 Tyr Cys Pro Glu Lys Asn Phe Asp Gln Glu Gly Leu Val Glu His Cys
 145 150 155 160
 Lys Leu Phe His Ser Thr Asp Thr Lys Ser Val Val Cys Pro Ile Cys
 165 170 175
 Ala Ser Met Pro Trp Gly Asp Pro Asn Tyr Arg Ser Ala Asn Phe Arg
 180 185 190
 Glu His Ile Gln Arg Arg His Arg Phe Ser Tyr Asp Thr Phe Val Asp
 195 200 205
 Tyr Asp Val Asp Glu Glu Asp Met Met Asn Gln Val Leu Gln Arg Ser
 210 215 220
 Ile Ile Asp Gln
 225

<210> 9
 <211> 245
 <212> PRT
 <213> Homo sapiens

<220>
 <223> STRIN sequence with rign domain

<400> 9
 Met Ala Glu Asp Leu Ser Ala Ala Thr Ser Tyr Thr Glu Asp Asp Phe
 1 5 10 15
 Tyr Cys Pro Val Cys Gln Glu Val Leu Lys Thr Pro Val Arg Thr Thr
 20 25 30
 Ala Cys Gln His Val Phe Cys Arg Lys Cys Phe Leu Thr Ala Met Arg
 35 40 45
 Glu Ser Gly Ala His Cys Pro Leu Cys Arg Gly Asn Val Thr Arg Arg
 50 55 60
 Glu Arg Ala Cys Pro Glu Arg Ala Leu Asp Leu Glu Asn Ile Met Arg
 65 70 75 80
 Lys Phe Ser Gly Ser Cys Arg Cys Cys Ala Lys Gln Ile Lys Phe Tyr
 85 90 95

Arg Met Arg His His Tyr Lys Ser Cys Lys Lys Tyr Gln Asp Glu Tyr
 100 105 110
 Gly Val Ser Ser Ile Val Pro Asn Phe Gln Ile Ser Gln Asp Ser Val
 115 120 125
 Gly Asn Ser Asn Arg Ser Glu Thr Ser Thr Ser Asp Asn Thr Glu Thr
 130 135 140
 Tyr Gln Glu Asn Thr Ser Ser Ser Gly His Pro Thr Phe Lys Cys Pro
 145 150 155 160
 Leu Cys Gln Glu Ser Asn Phe Thr Arg Gln Arg Leu Leu Asp His Cys
 165 170 175
 Asn Ser Asn His Leu Phe Gln Ile Val Pro Val Thr Cys Pro Ile Cys
 180 185 190
 Val Ser Leu Pro Trp Gly Asp Pro Ser Gln Ile Thr Arg Asn Phe Val
 195 200 205
 Ser His Leu Asn Gln Arg Arg Gln Phe Asp Tyr Gly Glu Phe Val Asn
 210 215 220
 Leu Gln Leu Asp Glu Glu Thr Gln Tyr Gln Thr Ala Val Glu Glu Ser
 225 230 235 240
 Phe Gln Val Asn Ile
 245

<210> 10
 <211> 50
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:human TRAC1
 (FLJ20456) ring finger domain

<400> 10
 Val Thr Ser Phe Asp Cys Ala Val Cys Leu Glu Val Leu His Gln Pro
 1 5 10 15
 Val Arg Thr Arg Cys Gly His Val Phe Cys Arg Ser Cys Ile Ala Thr
 20 25 30
 Ser Leu Lys Asn Asn Lys Trp Thr Cys Pro Tyr Cys Arg Ala Tyr Leu
 35 40 45
 Pro Ser
 50

<210> 11
 <211> 50
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:human znf313
ring finger domain

<400> 11

Leu	Gly	Arg	Phe	Thr	Cys	Pro	Val	Cys	Leu	Glu	Val	Tyr	Glu	Lys	Pro
1				5				10					15		

Val	Gln	Val	Pro	Cys	Gly	His	Val	Phe	Cys	Ser	Ala	Cys	Leu	Gln	Glu
		20					25						30		

Cys	Leu	Lys	Pro	Lys	Lys	Pro	Val	Cys	Gly	Val	Cys	Arg	Ser	Ala	Leu
		35					40					45			

Ala	Pro
	50

<210> 12

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:human STRIN
ring finger domain

<400> 12

Glu	Asp	Asp	Phe	Tyr	Cys	Pro	Val	Cys	Gln	Glu	Val	Leu	Lys	Thr	Pro
1				5				10					15		

Val	Arg	Thr	Thr	Ala	Cys	Gln	His	Val	Phe	Cys	Arg	Lys	Cys	Phe	Leu
		20					25					30			

Thr	Ala	Met	Arg	Glu	Ser	Gly	Ala	His	Cys	Pro	Leu	Cys	Arg	Gly	Asn
		35					40					45			

Val	Thr
	50

<210> 13

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:human TRAF6
ring finger domain

<400> 13

Glu	Ser	Lys	Tyr	Glu	Cys	Pro	Ile	Cys	Leu	Met	Ala	Leu	Arg	Glu	Ala
1				5				10					15		

Val	Gln	Thr	Pro	Cys	Gly	His	Arg	Phe	Cys	Lys	Ala	Cys	Ile	Ile	Lys
		20					25					30			

Ser	Ile	Arg	Asp	Ala	Gly	His	Lys	Cys	Pro	Val	Asp	Asn	Glu	Ile	Leu
		35					40					45			

Leu Glu
50

<210> 14
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:human c-Cbl
ring finger domain

<400> 14
Ser Thr Phe Gln Leu Cys Lys Ile Cys Ala Glu Asn Asp Lys Asp Val
1 5 10 15

Lys Ile Glu Pro Cys Gly His Leu Met Cys Thr Ser Cys Leu Thr Ser
20 25 30

Trp Gln Glu Ser Glu Gly Gln Gly Cys Pro Phe Cys Arg Cys Glu Ile
35 40 45

Lys Gly
50

<210> 15
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:human BRCA1
ring finger domain

<400> 15
Leu Glu Cys Pro Ile Cys Leu Glu Leu Ile Lys Glu Pro Val Ser Thr
1 5 10 15

Lys Cys Asp His Ile Phe Cys Lys Phe Cys Met Leu Lys Leu Asn
20 25 30

Gln Lys Lys Gly Pro Ser Gln Cys Pro Leu Cys Lys Asn Asp Ile Thr
35 40 45

Lys Arg
50

<210> 16
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:human BAR ring
finger domain

2400> 17
 Lys Ser Ile Ser Cys Gln Ile Cys Glu His Ile Leu Ala Asp Pro Val
 1 5 10 15
 Glu Thr Asn Cys Lys His Val Phe Cys Arg Val Cys Ile Leu Arg Cys
 20 25 30
 Leu Lys Val Met Gly Ser Tyr Cys Pro Ser Cys Arg Tyr Pro Cys Phe
 35 40 45
 Pro

<220>
<223> Description of Artificial Sequence:flexible linker

<400> 18
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
. 5 10 15

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 20 25 30

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 35 40 45

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 50 55 60

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 65 70 75 80

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 85 90 95

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 100 105 110

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 115 120 125

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 130 135 140

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 145 150 155 160

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 165 170 175

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
 180 185 190

Gly Gly Gly Gly Gly Gly Gly Gly
 195 200